

L Number	Hits	Search Text	DB	Time stamp
-	22684	(epidermolysis adj bullosa) or eb	USPAT; US-PGPUB	2004/01/16 12:16
-	1174	epidermolysis adj bullosa	USPAT; US-PGPUB	2004/01/16 12:15
-	53	(epidermolysis adj bullosa) same diagnos\$	USPAT; US-PGPUB	2004/01/16 12:15
-	11	((epidermolysis adj bullosa) same diagnos\$) same mutat\$	USPAT; US-PGPUB	2004/01/16 12:16

9 FILE CIN  
71 FILE CONFSCI  
14 FILE DISSABS  
90 FILE DDFB  
157 FILE DDFU  
1244 FILE DGENE  
90 FILE DRUGB  
2 FILE IMSDRUGNEWS  
169 FILE DRUGU  
2 FILE IMSRESEARCH  
21 FILE EMEAL  
2548 FILE EMEASE  
570 FILE ESBIOBASE  
22 FILE FEDRIP  
141 FILE GENBANK  
173 FILE IFIPAT  
354 FILE JICST-EPLUS  
10 FILE KOSMET  
192 FILE LIFESCI  
7 FILE MEDICINF  
2971 FILE MEDLINE  
3 FILE NIOSHTIC  
6 FILE NTIS

50 FILES SEARCHED...

1356 FILE PASCAL  
7 FILE PHAR  
2 FILE PHARMAML  
25 FILE PHIN  
206 FILE PROMT  
1 FILE RDISCLOSURE  
3291 FILE SCISEARCH  
488 FILE TOXCENTER  
1 FILE VETB  
4 FILE VETU  
366 FILE WPIDS  
366 FILE WPINDEX

50 FILES HAVE ONE OR MORE ANSWERS, 66 FILES SEARCHED IN STINDEX

L1 QUE EPIDERMOLYSIS (W) BULLOSA

=> s ll and diagnos? and mutat?

1 FILE BIOBUSINESS  
98 FILE BIOSIS  
16 FILE BIOTECHABS  
16 FILE BIOTECHDS  
62 FILE BIOTECHNO  
18 FILE CANCERLIT  
63 FILE CAPLUS  
3 FILE DISSABS  
99 FILE DGENE  
25 FILES SEARCHED...  
1 FILE DRUGU  
196 FILE EMEASE  
86 FILE ESBIOBASE  
1 FILE FEDRIP  
38 FILES SEARCHED...

FILE 'HOME' ENTERED AT 14:22:36 ON 16 JAN 2004

=> index biosci -uspatfull -uspat2

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

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SINCE FILE TOTAL  
ENTRY SESSION  
0.21 0.21

FULL ESTIMATED COST

INDEX 'ADISCTI', ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,  
CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU,  
DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 14:22:55 ON 16 JAN 2004

66 FILES IN THE FILE LIST IN STINDEX

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search error messages that display as 0\* with SET DETAIL OFF.

=> s epidermolysis (w) bullosa

15 FILE ADISCTI  
5 FILE ADISINSIGHT  
7 FILE ADISNEWS  
14 FILE AGRICOLA  
1 FILE ANABSTR  
15 FILE BIOBUSINESS  
16 FILE BIOCOMMERCE  
2464 FILE BIOSIS  
54 FILE BIOTECHABS  
54 FILE BIOTECHDS  
623 FILE BIOTECHNO  
59 FILE CABA  
283 FILE CANCERLIT  
760 FILE CAPLUS  
1 FILE CEABA-VTB

4 FILE IFIPAT  
18 FILE JICST-EPLUS  
7 FILE LIFESCI  
106 FILE MEDLINE  
55 FILE PASCAL  
19 FILE PROMT  
175 FILE SCISEARCH  
34 FILE TOXCENTER  
11 FILE WPIDS  
65 FILES SEARCHED...  
11 FILE WPINDEX

23 FILES HAVE ONE OR MORE ANSWERS, 66 FILES SEARCHED IN STINDEX

L2 QUE L1 AND DIAGNOS? AND MUTAT?

=> file hits

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST

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FILE 'FEDRIP' ENTERED AT 14:24:52 ON 16 JAN 2004

=> s l2  
6 FILES SEARCHED...  
18 FILES SEARCHED...  
L3 1073 L2

=> dup rem l3  
DUPLICATE IS NOT AVAILABLE IN 'DGENE, FEDRIP'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING IS APPROXIMATELY 94% COMPLETE FOR L3  
PROCESSING COMPLETED FOR L3  
L4 535 DUP REM L3 (538 DUPLICATES REMOVED)

=> s l4 and (horse or equine)  
L5 35 L4 AND (HORSE OR EQUINE)

=> s l5 and l368  
L6 1 L5 AND 1368

=> d l6 bib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:590685 CAPLUS  
DN 139:112800

TI Protein and cDNA sequences of \*\*\*horse\*\*\* laminin .gamma.2 gene and  
 its use in \*\*\*diagnostic\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\*  
 IN Baird, John; Linder, Keith; Meneguzzi, Guerrino; Spirito, Flavia;  
 Charlesworth, Alexandra  
 PA Can.  
 SO U.S. Pat. Appl. Publ., 34 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN QNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2003143545	AI	20030731	US 2002-33662	20020124
PRAI US 2002-33662		20020124		

=> d 15 trial 1-6

L5 ANSWER 1 OF 35 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
 on STN

TI Animal models for skin blistering conditions: Absence of laminin 5 causes  
 hereditary junctional mechanobullous disease in the Belgian \*\*\*horse\*\*\*

CT Medical Descriptors:  
 \*\*\*bullous skin disease: DI, diagnosis\*\*\*  
 \*\*\*epidermolysis bullosa hereditaria: DI, diagnosis\*\*\*  
 \*\*\*horse\*\*\*  
 clinical feature  
 immunofluorescence  
 protein expression  
 nucleotide sequence  
 sequence analysis  
 DNA isolation  
 reverse transcription polymerase chain reaction  
 RNA purification  
 base pairing  
 gene insertion  
 \*\*\*gene mutation\*\*\*  
 stop codon  
 prediction  
 disease severity  
 amino acid sequence  
 protein structure  
 correlation analysis  
 recessive inheritance  
 nonhuman  
 animal experiment  
 animal model  
 controlled study  
 animal tissue  
 animal cell

priority journal  
 Drug Descriptors:  
 \*laminin: EC, endogenous compound  
 protein: EC, endogenous compound

protein Lamac2: EC, endogenous compound  
 complementary DNA  
 unclassified drug  
 (protein) 67254-75-5  
 GENBANK Z15006 referred number; GENBANK AY082802 referred number; GENBANK  
 NM008485 referred number

L5 ANSWER 2 OF 35 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 AN 2003:253257 SCISEARCH  
 GA The Genuine Article (R) Number: 654YK  
 TI A \*\*\*Mutation\*\*\* in the LAMC2 gene causes the Herlitz junctional  
 \*\*\*epidermolysis\*\*\*  
 \*\*\*horse\*\*\* breeds  
 REC Reference Count: 22  
 CC AGRICULTURE, DAIRY & ANIMAL SCIENCE; GENETICS & HEREDITY  
 ST Author Keywords: \*\*\*horse\*\*\* ; LAMC2; \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* ; laminin 5  
 STP Keywords Plus (R): MECHANOBULLOUS DISEASE; CLASSIFICATION;  
 \*\*\*DIAGNOSIS\*\*\* ; POSITION  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L5 ANSWER 3 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74120 protein DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\*  
 \*\*\*epidermolysis\*\*\* in horses.  
 DESC Human laminin gamma-2 polypeptide.  
 KW Human; laminin gamma-2; junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* ; JEB.  
 SQL 1193

L5 ANSWER 4 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74091 protein DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\*  
 \*\*\*epidermolysis\*\*\* in horses.  
 DESC \*\*\*Equine\*\*\* laminin gamma-2 polypeptide.  
 KW \*\*\*Horse\*\*\* ; laminin gamma-2; junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* ; JEB.  
 SQL 1190

L5 ANSWER 5 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74121 protein DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\*  
 \*\*\*epidermolysis\*\*\* in horses.  
 DESC Murine laminin gamma-2 polypeptide.  
 KW Mouse; laminin gamma-2; junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* ; JEB.  
 SQL 1192

L5 ANSWER 6 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74119 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\*  
 \*\*\*epidermolysis\*\*\* in horses.  
 DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #28.

KW \*\*\*Horse\*\*\* ; PCR; ss: laminin gamma-2: junctional  
 \*\*\*epidermolysis\*\*\* ; JEB; primer.  
 SQL 19

-> d his  
 (FILE 'HOME' ENTERED AT 14:22:36 ON 16 JAN 2004)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
 BIOSBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
 CANERLIT, CAPLUS, CEBA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS,  
 DDFB, DDFU, DGENE, DRUGB, DRUGNOGZ, ...' ENTERED AT 14:22:55 ON 16 JAN  
 2004

SEA EPIDERMOLYSIS (W) BULLOSA  
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 QUE EPIDERMOLYSIS (W) BULLOSA  
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 SEA L1 AND DIAGNOS? AND MUTAT?  
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 QUE L1 AND DIAGNOS? AND MUTAT?  
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L3 1073 S L2  
 L4 535 DUP REM L3 (538 DUPLICATES REMOVED)  
 L5 35 S L4 AND (HORSE OR EQUINE)  
 L6 1 S L5 AND 1368

=> d 15 bib ab 1-35

L5 ANSWER 1 OF 35 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
 on STN  
 AN 2002346631 EMBASE  
 TI Animal models for skin blistering conditions: Absence of laminin 5 causes  
 hereditary junctional mechanobullous disease in the Belgian \*\*\*horse\*\*\*  
 .  
 AU Spirito F.; Charlesworth A.; Linder K.; Ortonne J.-P.; Baird J.; Meneguzzi  
 G.  
 CS G. Meneguzzi, INSERM U385, UFR de Medecine, Avenue de Valombrese, 06107  
 Nice Cedex 2, France. meneguzzi@unice.fr  
 SO Journal of Investigative Dermatology, (2002) 119/3 (684-691).  
 Refs: 52  
 ISSN: 0022-202X CODEN: JIDEAE  
 CY United States  
 DT Journal; Article  
 FS 013 Dermatology and Venereology  
 FS 029 Clinical Biochemistry  
 LA English  
 SL English  
 AB Recent achievements in the genetic correction of keratinocytes isolated  
 from patients with junctional \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\*

have paved the way to a gene therapy approach for the disease. Because  
 gene therapy protocols require preclinical validation in animals, we have  
 characterized spontaneous animal models of junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* . In this study we have  
 elucidated  
 the genetic basis of the hereditary junctional mechanobullous disease in  
 the Belgian \*\*\*horse\*\*\* , a condition characterized by blistering of  
 the skin and mouth epithelia, and exungulation (loss of the hoof).  
 Immunofluorescence analysis associated the condition to the absent  
 expression of the gamma.2 chain of laminin 5 and designated Lamc2 as the  
 candidate gene. Comparative analysis of the nucleotide sequence of the  
 full-length gamma.2 cDNA isolated by reverse transcription polymerase  
 chain reaction amplification of total RNA purified from the epithelium of  
 a junctional \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* foal and a healthy  
 control disclosed a homozygous basepair insertion (1368insC) in the  
 premature termination codon and is predicted to cause absent expression of  
 the laminin gamma.2 polypeptide. Our results also show that: (i) the  
 \*\*\*horse\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\*  
 genetically corresponds to the severe Herlitz form of junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* in man; (ii) the amino acid  
 sequence and structure of the \*\*\*horse\*\*\* laminin gamma.2 chain are  
 virtually identical to the human counterpart; (iii) the moderate eruption  
 of skin blisters in the affected animals with respect to the human Herlitz  
 junctional \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* patients correlates  
 with the protection provided by hair. Our observations suggest that the  
 affected foals are a convenient source of epithelial cells from tissues  
 that cannot be obtained from human junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* patients, and imply that hairless strains of animals  
 with  
 recessive skin disorders would be the best models for in vivo gene therapy  
 approaches to skin blistering diseases.

L5 ANSWER 2 OF 35 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 AN 2003:25257 SCISEARCH  
 GA The Genuine Article (R) Number: 654YK  
 TI A \*\*\*mutation\*\*\* in the LAMC2 gene causes the Herlitz junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* (H-JEB) in two French draft  
 \*\*\*horse\*\*\* breeds  
 AU Milenkovic D; Chaffaux S; Taourit S; Guerin G (Reprint)  
 CS INRA, Ctr Rech Jouy, Dept Genet Anim, Lab Genet Biochim & Cytogenet,  
 F-78352 Jouy En Josas, France (Reprint)  
 CYA France  
 SO GENETICS SELECTION EVOLUTION, (MAR-APR 2003) Vol. 35, No. 2, pp. 249-256.  
 Publisher: E D P SCIENCES, 7, AVE DU HOGGAR, PARC D ACTIVITES COURTABOEUF,  
 BP 112, F-91944 LES ULIS CEDEX, FRANCE.  
 ISSN: 0959-193X.  
 DT Article; Journal  
 LA English  
 REC Reference Count: 22  
 AB \*\*\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*\*\*  
 \*\*\*Epidermolysis\*\*\* \*\*bullosa\*\*\* (EB) is a heterogeneous group  
 of inherited diseases characterized by skin blistering and fragility. In  
 humans, one of the most severe forms of EB known as Herlitz-junctional EB  
 (H-JEB), is caused by \*\*\*mutations\*\*\* in the laminin 5 genes. EB has  
 been described in several species, like cattle, sheep, dogs, cats and  
 horses where the \*\*\*mutation\*\*\* , a cytosine insertion in exon 10 of

the LAMC2 gene, was very recently identified in Belgian horses as the  
 \*\*\*mutation\*\*\* responsible for JEB. In this study, the same  
 \*\*\*mutation\*\*\* was found to be totally associated with the JEB  
 phenotype  
 in two French draft \*\*\*horse\*\*\* breeds, Trait Breton and Trait  
 Contois. This result provides breeders a molecular test to better manage  
 their breeding strategies by genetic counselling.

L5 ANSWER 3 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74120 protein DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 DESC Human laminin gamma-2 polypeptide.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
 and the polynucleotide encoding it. The invention also relates to a  
 method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
 biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
 the DNA encoding laminin gamma-2 using appropriate primers and analysing  
 the amplified nucleic acid to identify the presence of a  
 \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
 nucleic acid encoding laminin gamma-2 indicates the presence of  
 \*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
 component from the sample can be isolated and screened for laminin  
 gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
 presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
 antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
 in horses. This sequence represents the \*\*\*equine\*\*\* laminin gamma-2  
 polypeptide.

L5 ANSWER 4 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74091 protein DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 DESC Murine laminin gamma-2 polypeptide.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
 and the polynucleotide encoding it. The invention also relates to a  
 method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
 biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
 the DNA encoding laminin gamma-2 using appropriate primers and analysing  
 the amplified nucleic acid to identify the presence of a  
 \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
 nucleic acid encoding laminin gamma-2 indicates the presence of  
 \*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
 component from the sample can be isolated and screened for laminin  
 gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
 presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
 antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
 in horses. This sequence represents the human laminin gamma-2  
 polypeptide.

L5 ANSWER 5 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74121 protein DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 DESC Murine laminin gamma-2 polypeptide.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
 and the polynucleotide encoding it. The invention also relates to a  
 method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
 biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
 the DNA encoding laminin gamma-2 using appropriate primers and analysing  
 the amplified nucleic acid to identify the presence of a  
 \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
 nucleic acid encoding laminin gamma-2 indicates the presence of  
 \*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
 component from the sample can be isolated and screened for laminin  
 gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
 presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
 antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
 in horses. This sequence represents the murine laminin gamma-2  
 polypeptide.

L5 ANSWER 6 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74119 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma-2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 PI US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #28.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
 and the polynucleotide encoding it. The invention also relates to a  
 method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
 biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
 the DNA encoding laminin gamma-2 using appropriate primers and analysing  
 the amplified nucleic acid to identify the presence of a  
 \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
 nucleic acid encoding laminin gamma-2 indicates the presence of  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\*. Alternatively, the protein  
 component from the sample can be isolated and screened for laminin  
 gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
 presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
 antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
 in horses. This sequence represents a PCR primer used to amplify cDNA  
 encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 7 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74106 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 PI US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #15.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
 and the polynucleotide encoding it. The invention also relates to a  
 method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
 biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
 the DNA encoding laminin gamma-2 using appropriate primers and analysing  
 the amplified nucleic acid to identify the presence of a  
 \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
 nucleic acid encoding laminin gamma-2 indicates the presence of  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\*. Alternatively, the protein  
 component from the sample can be isolated and screened for laminin  
 gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
 presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
 antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
 in horses. This sequence represents a PCR primer used to amplify cDNA  
 encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 8 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74105 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 PI US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #14.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
 and the polynucleotide encoding it. The invention also relates to a  
 method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
 \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
 biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
 the DNA encoding laminin gamma-2 using appropriate primers and analysing  
 the amplified nucleic acid to identify the presence of a  
 \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
 nucleic acid encoding laminin gamma-2 indicates the presence of  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\*. Alternatively, the protein  
 component from the sample can be isolated and screened for laminin  
 gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
 presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
 antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
 in horses. This sequence represents a PCR primer used to amplify cDNA  
 encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 9 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74094 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
 polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
 \*\*\*epidermolysis\*\*\* \*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.

(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A. 34p  
US 2003143545 A1 20030731  
US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 cDNA PCR primer #3.  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
the DNA encoding laminin gamma-2 using appropriate primers and analysing  
the amplified nucleic acid to identify the presence of a  
\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
nucleic acid encoding laminin gamma-2 indicates the presence of  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
component from the sample can be isolated and screened for laminin  
gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
in horses. This sequence represents a PCR primer used to amplify cDNA  
encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 10 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN ADA74090 cDNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\* in horses.  
IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
PA (BAIR-I) BAIRD J.  
(LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 cDNA PCR primer #26.  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
the DNA encoding laminin gamma-2 using appropriate primers and analysing  
the amplified nucleic acid to identify the presence of a  
\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
nucleic acid encoding laminin gamma-2 indicates the presence of  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
component from the sample can be isolated and screened for laminin  
gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
in horses. This sequence represents a PCR primer used to amplify cDNA  
encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 11 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN ADA74117 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\* in horses.  
IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
PA (BAIR-I) BAIRD J.  
(LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 cDNA PCR primer #26.  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
the DNA encoding laminin gamma-2 using appropriate primers and analysing  
the amplified nucleic acid to identify the presence of a  
\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
nucleic acid encoding laminin gamma-2 indicates the presence of  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
component from the sample can be isolated and screened for laminin  
gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
in horses. This sequence represents a PCR primer used to amplify cDNA  
encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 12 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN ADA74114 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\* in horses.  
IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
PA (BAIR-I) BAIRD J.  
(LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 cDNA.  
The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a  
biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
the DNA encoding laminin gamma-2 using appropriate primers and analysing  
the amplified nucleic acid to identify the presence of a  
\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*  
nucleic acid encoding laminin gamma-2 indicates the presence of  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
component from the sample can be isolated and screened for laminin  
gamma-2, where the absence of laminin gamma-2 polypeptide indicates the



DESC  
AB

\*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #23.  
The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 13 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN  
AN ADA74113 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
IN (BAIR-I) BAIRD J.  
PA (LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #17.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 14 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN  
AN ADA74108 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
IN (BAIR-I) BAIRD J.  
PA (LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #22.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 15 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN  
AN ADA74115 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
IN (BAIR-I) BAIRD J.  
PA (LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #24.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*  
\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutated\*\*\*  
\*\*\*mutation\*\*\*, where the homozygous presence of the

nucleic acid encoding laminin gamma-2 indicates the presence of  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein  
component from the sample can be isolated and screened for laminin  
gamma-2, where the absence of laminin gamma-2 polypeptide indicates the  
presence of JEB. The laminin gamma-2 nucleic acids, proteins and  
antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB  
in horses. This sequence represents a PCR primer used to amplify cDNA  
encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 16 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

LA ADA74112 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\* in horses.

IN Baird J; Linder K; Meneguizzi G; Spirito F; Charlesworth A

PA (BAIRD-I) LINDER K.

(MENE-I) MENEGUZZI G.

(SPIR-I) SPIRITO F.

(CHAR-I) CHARLESWORTH A.

US 2003143545 A1 20030731 34p

PI US 2002-53662 20020124

PRAI US 2002-53662 20020124

DT Patent

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #21.

AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*

\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a

biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying  
the DNA encoding laminin gamma-2 using appropriate primers and analysing  
the amplified nucleic acid to identify the presence of a

\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*

nucleic acid encoding laminin gamma-2 indicates the presence of

\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein

component from the sample can be isolated and screened for laminin

gamma-2, where the absence of laminin gamma-2 polypeptide indicates the

presence of JEB. The laminin gamma-2 nucleic acids, proteins and

antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB

in horses. This sequence represents a PCR primer used to amplify cDNA

encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 17 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

LA ADA74107 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\* in horses.

IN Baird J; Linder K; Meneguizzi G; Spirito F; Charlesworth A

PA (BAIRD-I) LINDER K.

(MENE-I) MENEGUZZI G.

(SPIR-I) SPIRITO F.

(CHAR-I) CHARLESWORTH A.

US 2003143545 A1 20030731 34p

PI US 2002-53662 20020124

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #8.

AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*

\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a

biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying

the DNA encoding laminin gamma-2 using appropriate primers and analysing

the amplified nucleic acid to identify the presence of a

\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*

nucleic acid encoding laminin gamma-2 indicates the presence of

\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein

component from the sample can be isolated and screened for laminin

gamma-2, where the absence of laminin gamma-2 polypeptide indicates the

presence of JEB. The laminin gamma-2 nucleic acids, proteins and

antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB

in horses. This sequence represents a PCR primer used to amplify cDNA

encoding \*\*\*equine\*\*\* laminin gamma-2.

PRAI US 2002-53662 20020124

DT Patent

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #16.

AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*

\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a

biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying

the DNA encoding laminin gamma-2 using appropriate primers and analysing

the amplified nucleic acid to identify the presence of a

\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*

nucleic acid encoding laminin gamma-2 indicates the presence of

\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein

component from the sample can be isolated and screened for laminin

gamma-2, where the absence of laminin gamma-2 polypeptide indicates the

presence of JEB. The laminin gamma-2 nucleic acids, proteins and

antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB

in horses. This sequence represents a PCR primer used to amplify cDNA

encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 18 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

LA ADA74099 DNA DGENE

TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding  
polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional  
\*\*\*epidermolysis\*\*\*.

IN Baird J; Linder K; Meneguizzi G; Spirito F; Charlesworth A

PA (BAIRD-I) BAIRD J.

(LINDER-I) LINDER K.

(MENE-I) MENEGUZZI G.

(SPIR-I) SPIRITO F.

(CHAR-I) CHARLESWORTH A.

US 2003143545 A1 20030731 34p

PI US 2002-53662 20020124

PRAI US 2002-53662 20020124

DT Patent

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #8.

AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide  
and the polynucleotide encoding it. The invention also relates to a  
method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\*

\*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a

biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying

the DNA encoding laminin gamma-2 using appropriate primers and analysing

the amplified nucleic acid to identify the presence of a

\*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\*

nucleic acid encoding laminin gamma-2 indicates the presence of

\*\*\*epidermolysis\*\*\*. \*\*\*bullosa\*\*\*. Alternatively, the protein

component from the sample can be isolated and screened for laminin

gamma-2, where the absence of laminin gamma-2 polypeptide indicates the

presence of JEB. The laminin gamma-2 nucleic acids, proteins and

antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB

in horses. This sequence represents a PCR primer used to amplify cDNA

encoding \*\*\*equine\*\*\* laminin gamma-2.



antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 24 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN ADA74111 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
PA (BAIR-I) BAIRD J.  
(LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A. 34p  
PI US 2003143545 A1 20030731  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #20.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses. \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the amplified nucleic acid to identify the presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 25 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN ADA74110 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
PA (BAIR-I) BAIRD J.  
(LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A. 34p  
PI US 2003143545 A1 20030731  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #19.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses. \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the amplified nucleic acid to identify the presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #9.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses. \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the amplified nucleic acid to identify the presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 23 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN ADA74098 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
PA (BAIR-I) BAIRD J.  
(LIND-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A. 34p  
PI US 2003143545 A1 20030731  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #7.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses. \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the amplified nucleic acid to identify the presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and

(SPIR-I) SPIRITO F.  
(CHAR-I) CHARLESWORTH A.  
PI US 2003143545 A1 20030731 34p  
AI US 2002-53662 20020124  
PRAI US 2002-53662 20020124  
DT Patent  
LA English  
OS 2003-626651 [59]  
DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #9.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses. \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the amplified nucleic acid to identify the presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and

AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 26 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

AN ADA74109 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* in horses.

IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A

PA (BAIR-I) BAIRD J.  
(LINDER-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.

(CHAR-I) CHARLESWORTH A.

US 2003143545 A1 20030731 34p

AI US 2002-53662 20020124

PRAI US 2002-53662 20020124

DT Patent

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #18.

AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 27 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

AN ADA74104 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* in horses.

IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A

PA (BAIR-I) BAIRD J.  
(LINDER-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.

(CHAR-I) CHARLESWORTH A.

US 2003143545 A1 20030731 34p

AI US 2002-53662 20020124

PRAI US 2002-53662 20020124

DT Patent

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #13.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 28 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

AN ADA74118 DNA DGENE  
TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* in horses.

IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A

PA (BAIR-I) BAIRD J.  
(LINDER-I) LINDER K.  
(MENE-I) MENEGUZZI G.  
(SPIR-I) SPIRITO F.

(CHAR-I) CHARLESWORTH A.

US 2003143545 A1 20030731 34p

AI US 2002-53662 20020124

PRAI US 2002-53662 20020124

DT Patent

LA English

OS 2003-626651 [59]

DESC \*\*\*Equine\*\*\* laminin gamma-2 cDNA PCR primer #27.  
AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of

\*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* . Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acid, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 29 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 LA ADA74097 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguizzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC \*\*\*equine\*\*\* laminin gamma-2 cDNA PCR primer #6.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\* , comprising obtaining a biological sample from the \*\*\*horse\*\*\* , isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\* , where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* . Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 30 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 LA ADA74095 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguizzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124

DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC \*\*\*equine\*\*\* laminin gamma-2 cDNA PCR primer #4.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\* , comprising obtaining a biological sample from the \*\*\*horse\*\*\* , isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\* , where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* . Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 31 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 LA ADA74102 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* in horses.  
 IN Baird J; Linder K; Meneguizzi G; Spirito F; Charlesworth A  
 PA (BAIR-I) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC \*\*\*equine\*\*\* laminin gamma-2 cDNA PCR primer #11.  
 AB The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\* , comprising obtaining a biological sample from the \*\*\*horse\*\*\* , isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\* , where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\* . \*\*\*bullosa\*\*\* . Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

ANSWER 32 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN ADA74101 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIRD-J) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 PI US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 AB \*\*\*Bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 33 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74092 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIRD-J) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 PI US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 AB \*\*\*Bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying

the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 34 OF 35 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN ADA74103 DNA DGENE  
 TI New isolated \*\*\*equine\*\*\* laminin gamma 2 polypeptide and encoding polynucleotide, useful for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird J; Linder K; Meneguzzi G; Spirito F; Charlesworth A  
 PA (BAIRD-J) BAIRD J.  
 (LIND-I) LINDER K.  
 (MENE-I) MENEGUZZI G.  
 (SPIR-I) SPIRITO F.  
 (CHAR-I) CHARLESWORTH A.  
 PI US 2003143545 A1 20030731 34p  
 AI US 2002-53662 20020124  
 PRAI US 2002-53662 20020124  
 DT Patent  
 LA English  
 OS 2003-626651 [59]  
 DESC The invention relates to the \*\*\*equine\*\*\* laminin gamma-2 polypeptide and the polynucleotide encoding it. The invention also relates to a method for \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 AB \*\*\*Bullosa\*\*\* (JEB) in a \*\*\*horse\*\*\*, comprising obtaining a biological sample from the \*\*\*horse\*\*\*, isolating DNA and amplifying the DNA encoding laminin gamma-2 using appropriate primers and analysing the amplified nucleic acid to identify the presence of a \*\*\*mutation\*\*\*, where the homozygous presence of the \*\*\*mutated\*\*\* nucleic acid encoding laminin gamma-2 indicates the presence of \*\*\*epidermolysis\*\*\*. Alternatively, the protein component from the sample can be isolated and screened for laminin gamma-2, where the absence of laminin gamma-2 polypeptide indicates the presence of JEB. The laminin gamma-2 nucleic acids, proteins and antibodies against the proteins are useful for \*\*\*diagnosing\*\*\* JEB in horses. This sequence represents a PCR primer used to amplify cDNA encoding \*\*\*equine\*\*\* laminin gamma-2.

L5 ANSWER 35 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:590655 CAPLUS  
 DN 139:112800  
 TI Protein and cDNA sequences of \*\*\*horse\*\*\* laminin .gamma.2 gene and its use in \*\*\*diagnostic\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses.  
 IN Baird, John; Linder, Keith; Meneguzzi, Guerrino; Spirito, Flavia; Charlesworth, Alexandra  
 PA Can.  
 SO U.S. Pat. Appl. Publ., 34 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.QNT.1

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

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PI US 2003143545

AI

20030731

US 2002-53662

20020124

PRAI US 2002-53662

20020124

AB

The invention provides protein and cDNA sequences of \*\*\*horse\*\*\* laminin .gamma.2 gene. A method of \*\*\*diagnosing\*\*\* junctional \*\*\*epidermolysis\*\*\* in horses is also provided based on the detn. that a \*\*\*mutation\*\*\* in the laminin .gamma.2 gene in which a cytosine is inserted at position 1368 is assocd. with the disease.

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(FILE 'HOME' ENTERED AT 14:22:36 ON 16 JAN 2004)

INDEX 'ADISCTI, ADISINISIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPE, CROPU, DISSABS, DDEF, DGEU, DGENE, DRUGS, DRUGMONO32, ...' ENTERED AT 14:22:55 ON 16 JAN 2004

SEA EPIDERMOLYSIS (W) BULLOSA

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L1

QUE EPIDERMOLYSIS (W) BULLOSA

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SEA L1 AND DIAGNOS? AND MUTAT?

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L2

QUE L1 AND DIAGNOS? AND MUTAT?

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FILE 'EMBASE, SCISEARCH, MEDLINE, DGENE, BIOSIS, ESIORBASE, CAPLUS, BIOTECHNO, PASCAL, TOXCENTER, PROMT, CANCERLIT, JICST-EPLUS, BIOTECHDS, WPIDS, LIFESCI, IFIPAT, DISSABS, BIOBUSINESS, DRUGU, FEDRIP' ENTERED AT 14:24:52 ON 16 JAN 2004

1073 S L2

535 DUP REM L3 (538 DUPLICATES REMOVED)

35 S L4 AND (HORSE OR EQUINE)

1 S L5 AND 1368

=> log h

COST IN U.S. DOLLARS

SINCE FILE ENTRY TOTAL

ENTRY

204.68

206.60

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY TOTAL

ENTRY

-0.69

-0.69

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:29:04 ON 16 JAN 2004